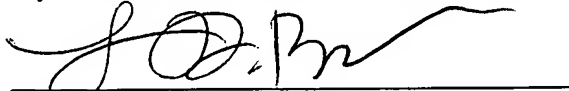


PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
AMENDMENT TRANSMITTAL LETTER

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 29, 2004.

  
Lisa D. Bronk

Applicant : Kristine B. Fuimaono, et al. Confirmation No. Not Yet Assigned  
Application No. : 10/749,888  
Filed : December 31, 2003  
Title : CATHETER HAVING MAPPING ASSEMBLY  
Grp./Div. : 3739  
Examiner : Not Yet Assigned  
Docket No. : 51643/AW/W112

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
December 29, 2004

Commissioner:

Enclosed is an amendment to the above-identified application.

CLAIMS AS AMENDED						
	Claims Remaining After Amendment	Highest Number Paid For	Number Extra Claims	Small Entity Rate	Large Entity Rate	FEE
Total Claims Fee	59	*60	0	0 x \$25.00	0 x \$50.00	0
Independent Claims	8	** 8	0	0 x \$100.00	0 x \$200.00	0
Multiple Dependent Claims ***				\$180.00	\$360.00	0
TOTAL FILING FEE						0
NO ADDITIONAL FEE REQUIRED ****	IF NO FEE REQUIRED, INSERT "0"					0
LIST INDEPENDENT CLAIMS: 1, 19, 30, 36, 41, 47, 52 and 56						
* IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3 ** IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3 *** PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST TIME **** IF NO FEE REQUIRED, ADDRESS ENVELOPE TO "BOX NON-FEE AMENDMENTS"						

Attached is our check for \$ to pay the fees calculated above.  
A Petition for Extension of Time and the required fee are enclosed.  
Other enclosures:

**Amendment Transmittal Letter**  
**Application No. 10/749,888**

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. **A copy of this letter is enclosed.**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By \_\_\_\_\_  
Anne Wang  
Reg. No. 36,045  
626/795-9900

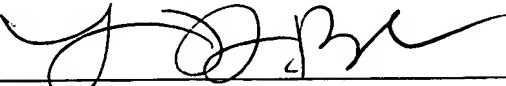
AW/ldb



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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\_\_\_\_\_  
Signature

Appl No. : 10/749,888 Confirmation No. Not Yet Assigned  
Applicant : Kristine B. Fuimaono, et al.  
Filed : December 31, 2003  
Title : CATHETER HAVING MAPPING ASSEMBLY  
  
TC/A.U. : 3739  
Examiner : Not Yet Assigned  
  
Docket No. : 51643/LES/W112  
Customer No. : 23363

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
December 29, 2004

Commissioner:

Prior to examination, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 18 of this paper.